INFORMATION MADE WANTED Docket No. 032191

Serial No. 10/735,824

DISCLOSURE **CITATION** PTO-1449

Applicant(s): TAKEHARA, Hiroaki et al.

Filing Date: December 16, 2003

Group Art Unit: Unassigned

U.S. PATENT DOCUMENTS

Examiner [Initial		Document No.	Name	Date	Class	Subclass	Filing Date (If appropriate)
I IVE	AA	3,816,978	O'Dell	06/18/1974	55	96	10/18/1971
14	AB	.5,273,729	Howard et al.	12/28/1993	423	445	05/24/1991
	AC	5,393,327	Chambers et al.	02/28/1995	95	273	04/22/1994
	AD	5,562,746	Raether	10/08/1996	55	302	09/27/1995
	AE	6,090,173	Johnson et al.	07/18/2000	55	302	07/18/2000
MIL	AF	2003-0044342	Alford et al.	03/06/2003	423	445 R	03/15/2002
	AG	2003-0041732	Alford et al.	03/06/2003	95	280	03/15/2002

FOREIGN PATENT DOCUMENTS

Examiner Anitjál		Document No.	Date	Country	Translation(Yes or No)
MB	AH	2003-238128	08/27/2003	Japan	Yes (Abstract Only)
KK	AI	9-227111	09/02/1997	Japan	Yes (Abstract Only)
	AJ_				

OTHER DOCUMENTS

	OTHER DOCUMENTS
AK	Kroto, H. W. et al., " C_{60} : Buckminsterfullerene", Nature, Vol. 318, November 14, 1985, pp. 162-163
AL	Kroto, H., "Space, Stars, C ₆₀ , and Soot", Science, Vol. 242, November 25, 1988, pp. 1139-1144
AM	Krätschmer, W. et al., "Solid C60: a new form of carbon", Nature, Vol. 347, September 27, 1990, pp. 354-358
AN	Gerhardt, L. S. et al., "Polyhedral Carbon Ions in Hydrocarbon Flames", Chemical Physics Letters, Vol. 137, No. 4, June 19, 1987, pp. 306-310
	10M
Examiner	Date Considered 410/06
/	

INFORMATION DISCLOSURE **CITATION** PTO-1449

Atty. Docket No. 032191

Serial No. 10/735,824

Applicant(s): TAKEHARA, Hiroaki et al.

Filing Date: December 16, 2003

Group Art Unit: Unassigned

U.S. PATENT DOCUMENTS

Examiner , Initial		Document No.	Name	Date	Class	Subclass	Filing Date (If appropriate)
Anity BI	AA	2004/0057896 A1	Kronholm et al.	03/25/2004	423	461	07/03/2003
	AB						
	AC						
	AD				<u> </u>		
	AE						

FOREIGN PATENT DOCUMENTS

Examiner \Injlial		Document No.	Date	Country	Translation(Yes or No)
VIX	AF	2003-160318	06/03/2003	Japan	Yes (Abstract Only)
1/4	AG				
	AH				
	AI				
1	AJ				

OTHER DOCUMENTS

			OTHER DOCUMEN	115	
	AK				
	AL	10			
Examiner		# (1)	Date Considered	4/19/06	
<u> </u>	/				

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

er the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of Information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

Sheet

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known Application Number 10/735,824 December 16, 2003 Filing Date First Named Inventor Hiroaki TAKEHARA Art Unit 1754 Not Yet Assigned **Examiner Name** 032191 Attorney Docket Number

			U. S. PATEN	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (f known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevan Figures Appear
IK		^{US-} 5,985,232	11-16-1999	Howard et al.	
188		^{US-} 2003-0044342	03-06-2003	J. Michael Alford	
A d		US-			
		US-			
	<u> </u>	US-			
	<u> </u>	US-			
	1	US-			
		US-			
		US-			
		US-			
	<u> </u>	US-			
		US-			
		US-			
	ļ	US-			
		US-			
	 	US-			
		US-			
		US-			
	 	US-			

Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
10		Country Code ³ Number ⁴ Kind Code ⁵ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T°
		JP- 6-56414	03-01-1994	Japan		V
TARY.		JP- 11-179129	07-06-1999	Japan		V
7	\setminus	JP- 2003-221216	08-05-2003	Japan		✓
1	1					

Date Examiner Considered Signature

*EXAMINER: Initial/if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if nov in conformance and not considered. Include copy of this form/with next communication to applicant. 'Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Occuments at www.uspto.nov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08B (08-03) Approved for use through 07/31/2006. OMB 0551-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

DEMARY	e for form 1449/PTO				Complete if Known
100000000	010/10/11/1740/170			Application Number	10/735,824
INFO	PRMATION	N DIS	CLOSURE	Filing Date	December 16, 2003
STA	TEMENT	BY A	PPLICANT	First Named Inventor	Hiroaki TAKEHARA
	(lee ee many ch	aate oo n	ncassand	Art Unit	1754
	(Use as many sheets as necessary)			Examiner Name	Not Yet Assigned
Sheet	2	of	2	Attorney Docket Number	032191

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
AR		Shunichi YOSHIKAWA et al., "Tei Atsuba deno Nensho Katei ni yoru PAH oyobi Fullerene no Seisei", 2003, pp. 101-102	✓
# (-v			
		•	
	<u></u> .		
		1	
	L		
Examiner Signature		Date Considered 7/1906	,

*EXAMINER: Initial if derines considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Combined Form PTO/SB/08A&B

INFORMATION DISCLOSURE

STATEMENT BY APPLICANT

Application Number 10/735,824

Confirmation Number 2855

Filing Date December 16, 2003

First Named Inventor Hiroaki TAKEHARA et al.

Art Unit 1754

Examiner Name Peter J. Lish

Attorney Docket Number 032191

(use as	many	Sheers	ш	necessur	y)

Sheet

of

	U.S. PATENT DOCUMENTS							
1	Cin-	Document	Number	Publication Date				
Examiner Initials*	aminer Cite Kind Code ² Publication Date	Name of Patentee or Applicant of Cited Documen						
		US						
		US						
		US						
		US						
		US						
		US						
		US						
		US						
		110						

	FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date	Name of Patentee or	Translation ⁶		
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)	MM-DD-YYYY	Applicant of Cited Document	Translation		
			<u> </u>						
		 							
		-							

	NON PATENT LITERATURE DOCUMENTS						
Examiner Initigis*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶				
MK	1	Shunichi YOSHIKAWA et al., "PAH and fullerene formation from low pressure combustion under various flame condition" The 41st Japanese Symposium on Combustion 2003, pp.101-102	Yes				
<u> </u>							
	 						

Examiner Signature

Date Considered 4/1906

Examiner Signature

*EXAMINER: Initial reference considered whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to indicate here if English language Translation is attached.